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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/077,312	_	02/15/2002	John McKenzie	271/094	271/094 3792	
30452	7590	01/25/2005		EXAM	EXAMINER	
EDWARDS ONE EDWA		CIENCES CORI	CHATTOPADHYAY, URMI			
IRVINE, CA				ART UNIT	PAPER NUMBER	
,,				3738		

Please find below and/or attached an Office communication concerning this application or proceeding.

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,	Application No.	Applicant(s)				
	10/077,312	MCKENZIE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Urmi Chattopadhyay	3738				
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a reply be tile ply within the statutory minimum of thirty (30) day a will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 17 i	December 2004.					
<u> </u>	. · · · · · · · · · · · · · · · · · · ·					
3) Since this application is in condition for allows closed in accordance with the practice under	· ·					
Disposition of Claims						
4) ⊠ Claim(s) 1-3 and 6-12 is/are pending in the a 4a) Of the above claim(s) 11 is/are withdrawn 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-3,6-10 and 12 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/	from consideration.					
Application Papers						
9) The specification is objected to by the Examin 10) The drawing(s) filed on 29 March 2004 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examination.	a)⊠ accepted or b)⊡ objected t e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Applicat Ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)				

Request for Continued Examination

- 1. The request filed on 12/17/04 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on Application No. 10/077,312 is acceptable and a RCE has been established. An action on the RCE follows.
- 2. Claims 1-3 and 6-12 are currently pending, of which claim 11 is withdrawn. The claims being considered for further examination on the merits are 1-3, 6-10 and 12.

Interference

3. The examiner acknowledges that a formal request for declaration of interference will be provided upon indication that all pending rejections have been removed, and that at the present time, such a request is not ripe because the present application remains under rejection.

Response to Amendment

4. The Declaration under 37 CFR 1.132 filed 12/17/04 is sufficient to overcome the rejection of claims 1-3, 6-10 and 12 under 35 U.S.C. 102(b) based upon showing of the filter mesh material of the current application and of priority application 08/854,806 (USPN 6,231,544) inherently having varying porosity. Claims 1-3, 6-10 and 12 receive benefit of priority application 08/854,806, and have an effective filing date of May 12, 1997. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Bajaj (USPN 5,053,008) and Kletschka (USPN 4,794,928).

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Response to Arguments

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5. Applicant's arguments, see pages 6-8, filed 12/17/04, with respect to the objection to the specification have been fully considered and are persuasive. Incorporation of priority application 08/854,806 by reference satisfies specification completeness and antecedent basis for claimed subject matter requirements. The objection of the specification has been withdrawn.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 1-3, 6-10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bajaj (USPN 5,053,008, as cited in applicant's IDS) and Kletschka (USPN 4,794,928).

Bajaj discloses a catheter apparatus for use in a body passage with all the elements of claim 1, but is silent to the upstream member being a sealing member for creating a seal between the upstream end of the expandable conduit and an internal wall of the body passage. See Figure 2 for a catheter apparatus (12) comprising an expandable conduit (18) defined by a filter mesh (22) (column 7, lines 55-63) mounted on a catheter shaft (16) (column 6, lines 2-4). As admitted by applicant, the filter mesh will inherently have varying porosity. See Figures 1 and 2 for the expandable conduit (18) having an upstream end and a downstream end. The expandable conduit (18) has a collapsed position in which the expandable conduit is collapsed toward the catheter shaft and an expanded position in which the upstream end of the expandable conduit is

open to fluid flow (column 6, lines 6-11 and column 7, lines 29-36). An upstream member (20) at the upstream end of the expandable conduit (18) encircles and hugs an internal wall of the body passage without causing trauma thereto (column 8, lines 21-22). Kletschka teaches a trap/barrier membrane (23) forming a seal with the interior lining (2) of the vessel (1) to be treated in order to prevent substantially all physiologically significant particles from escaping from an obstruction site and remove substantially all potential embolic material. See Figure 12, column 1, lines 6-9, column 2, lines 36-40 and column 8, lines 52-56. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to look to the teachings of Kletschka to modify the upstream member of Bajaj by making it a sealing member for creating a seal between the upstream end of the expandable conduit and internal wall of the body passage without causing any trauma thereto in order to prevent substantially all physiologically significant particles from escaping an obstruction site and remove substantially all potential embolic material.

Claim 2, see column 6, lines 5-6 for the upstream member being an inflatable toroidal balloon (20).

Claim 3, see Figures 1 and 2 for a perfusion lumen within the catheter shaft (16) in fluid communication with a space exterior to the expandable conduit (18).

With respect to claim 6, Bajaj is also silent to the catheter apparatus further comprising an occlusion member for selectively occluding the expandable conduit. Kletschka teaches an angioplasty device for treating acquired obstruction of the pulmonary artery, wherein an inflatable balloon (4) compresses the obstruction and a trap/barrier membrane (23) prevents substantially all potential embolic material from escaping the obstruction site, thus preventing

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the occurrence of unfavorable side effects from angioplasty treatment and procedures. See Figure 12, column 1, lines 6-20 and column 2, lines 36-40. When the balloon is inflated at the obstruction site, it is providing as an occlusion member by selectively occluding the trap/barrier membrane. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to look to the teachings of Kletschka to modify the catheter apparatus of Bajaj by including an inflatable occlusion balloon (claims 6 and 10) that selectively occludes the expandable conduit in order to compress and crush an obstruction in the pulmonary artery for removal thereof in addition to preventing pulmonary emboli.

Claim 7, see Figure 2 and column 9, lines 35-39 for an infusion lumen (64) within the catheter shaft (16) having an infusion port that would be upstream of the occlusion member.

Claim 8, see Figures 1 and 2 for a perfusion lumen within the catheter shaft (16).

With respect to claim 9, Bajaj is also silent to the catheter apparatus further comprising a tubular sheath sized to fit over the expandable conduit when in the collapsed position. Kletschka teaches a sheath sized to fit over the trap/barrier membrane (23) in order to hold down expansion springs (18) in the collapsed position until expansion is desired. See Figure 14 and columns 8-9, lines 63-10. The expandable conduit (18) of Bajaj includes metallic struts (28) that are biased outwardly to make the expandable conduit (18) biased in the open position. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to look to the teachings of Kletschka to modify the catheter apparatus of Bajaj by including a tubular sheath sized to fit over the expandable conduit (18) in order to hold down the outwardly biased metallic struts (28) in the collapsed position until expansion is desired.

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Claim 12, see Figure 2 for the catheter shaft (16) being positioned internal to the expandable conduit (18).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Urmi Chattopadhyay whose telephone number is (571) 272-4748. The examiner can normally be reached on Tuesday-Thursday 10:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on (571) 272-4754. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Urmi Chattopadhyay

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David J. Isabella Primary Examiner

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